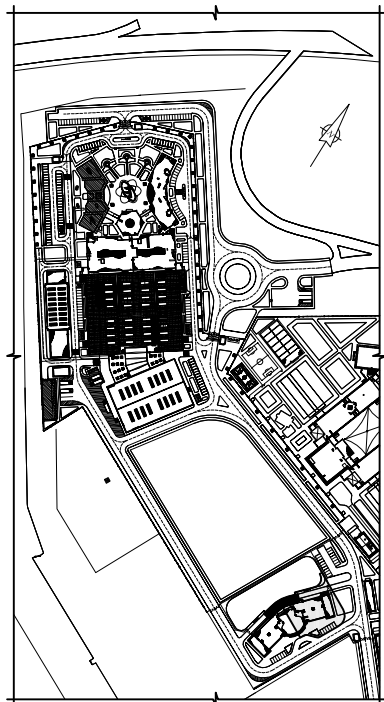


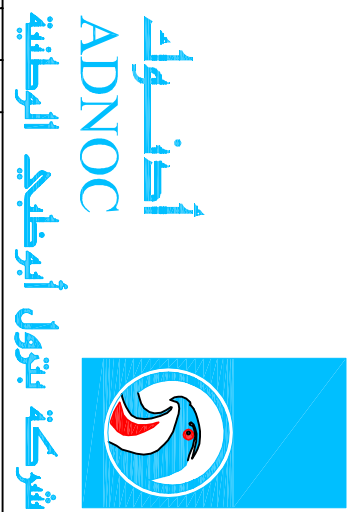
REFERENCE DRAWINGS		DWG NO.
LEGEND - GENERAL NOTES		E-06-215
GENERAL DETAILS - SHEET 1/2		E-06-801
GENERAL DETAILS - SHEET 2/2		E-06-802
LOW VOLTAGE SINGLE LINE DIAGRAM		E-06-981

LEGEND:-	
SYMBOLS	DESCRIPTION
	320mm DEEP 4mm CLAD STEEL ELECTRODE
	70mm STANDARD SOFT DRAWING COPPER
	EARTH BAR WITH SINGLE DISCONNECTING LINK
	EARTHING BRANCH CONNECTION (CAD-WELD)
	32mm COPPER TAPE HORIZONTAL
	PURPOSE MADE CROSS CONNECTION CLAMP

NOTES:	
1.	INSTRUMENT CLEAN EARTHING SYSTEM SHALL HAVE A RESISTANCE TO EARTH NOT EXCEEDING 0.5 OHM, IF REQUIRED, ADDITIONAL ELECTRODES MAY BE PROVIDED.
2.	ELECTRICAL CABLE TRAY / LADDER SHALL BE BONDED TO EARTH AT REGULAR INTERVALS AND BONDING STRAPS SHALL BE ADDED ACROSS ALL JOINTS.
3.	MOTOR CONTROL STATIONS AND POWER BOXES IN NON-METALIC ENCLOSURES TO BE BONDED VIA THEIR INTERNAL STUDS.
4.	LADDERS AND STAIRS FIXED TO EARTHED METALLIC STRUCTURES REQUIRE NO ADDITIONAL EARTHING.
5.	EARTHING CONDUCTORS SHALL BE RUN UNDER GROUND AT A MINIMUM DEPTH OF 300mm BELOW GRADE.
6.	ALL THE EARTHING INSTALLATIONS SHALL BE DONE ACCORDING TO ADC REGULATIONS.
7.	THE LOCATIONS OF THE EARTH PITS SHALL BE COORDINATED WITH THE LANDSCAPE WORKS, PAVING WORKS, AND ALL TRADES.
8.	ACCORDING TO ADC REGULATIONS, A MINIMUM DISTANCE OF 7M SHALL BE PROVIDED BETWEEN LIGHTNING PROTECTION EARTH ELECTRODES AND THE POWER EARTH ELECTRODES.
9.	POWER EARTH RESISTANCE SHALL BE MAINTAINED LESS THAN 5 OHM, IF REQUIRED, ADDITIONAL ELECTRODES MAY BE PROVIDED.
10.	LIGHTNING EARTH RESISTANCE SHALL BE MAINTAINED LESS THAN 10 OHM, IF REQUIRED, ADDITIONAL ELECTRODES MAY BE PROVIDED.



KEY PLAN



CLIENT :	ADNOC
PROJECT :	BOROUGE INNOVATION CENTER IN ABU DHABI
AGREEMENT NO:	15984D1 - PROJECT NO.5984



DATE :	15/06/2018
BY :	15/06/2018
APPROVED :	15/06/2018

EARTHING LAYOUT PLAN

SCALE :	1/100
JOB NO. :	194
DWG NO. :	E-06-215
REV. NO. :	0